

CLIMATOLOGICAL DATA FOR JANUARY, 1913.

DISTRICT NO. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

GENERAL SUMMARY.

While the month averaged much colder than the normal, mean temperatures were not so low as those for December, 1909. It will be long remembered, however, on account of the low temperatures that prevailed from the 5th to the 12th, in common with the rest of the southwestern part of the country. Over a large area in the central and southern parts of the district, except the western part of Arizona, minimum temperatures were the lowest of record, and fruit interests suffered in consequence. In western Colorado heavy damage resulted from the killing of the buds of stone fruits, and it is probable that the trees are also damaged. In the Salt River Valley, in Arizona, the Section Director reports that the damage to the citrus-fruit industry is estimated to be between \$100,000 and \$200,000. The loss was confined mostly to nursery stock and young orchards. The older trees are apparently but slightly injured, owing to their dormant condition at the time of the freeze. Less than 5 per cent of the crop was unpicked. Following the receipt of the cold-wave warning on the night of the 4th, there was considerable fruit picked on the 5th, and smudging operations were carried on successfully on the following cold nights by a few of the nurserymen. In the Yuma district the freeze was not so severe, and but little loss to horticultural interests was reported.

Streams were hard frozen in the northern and central parts of the district, and a diminished flow or dry beds in more southerly parts caused suffering to live stock on the ranges.

The precipitation was less than the average on the different watersheds, except the Grand; the amounts, however, on the San Juan and the watersheds of western New Mexico and Arizona were in excess of those of a year ago.

The conditions that led up to the severe weather may be briefly stated as having their start in a low-pressure area on the morning of the 4th, extending from Arkansas on the east to the lower Colorado River. In this region the pressure was more than half an inch below the normal, while in the distant Northwest there was an excess of four-tenths of an inch, but unaccompanied by unusually low temperatures. During the next 24 hours there was a movement of the anticyclone southward on the east side of the Continental Divide, blocking any further progress eastward of the western depression then central in southwestern Colorado, and at the same time forcing the eastern part of the depression southward to the west coast of the Gulf of Mexico. During the slow progress of filling up the depression west of the Continental Divide, extremely cold weather developed, and temperatures as low as or lower than any previously observed occurred in many localities.

TEMPERATURES.

The mean for the stations reporting was 27.9° , or 5.1° below the normal. The mean for January, 1912, was

33.5° . The highest monthly mean was 52.8° at Sentinel, Ariz., and the lowest, 3.1° , at Gunnison, Colo. The first four days were somewhat warmer than the normal in northern Arizona and southeastern Nevada. A severe and general cold spell set in on the 5th and lasted until the 13th, with the greatest deficiency in mean temperatures, 21° to 32° , on the 6th and 7th. From the 14th to the 19th temperatures were close to the normal in Arizona, and generally above the normal in the rest of the district.

A change to colder occurred on the 20th and lasted over the greater part of the district until the 24th. The rest of the month was warmer than the normal, except in Grand Valley, Colo. The highest temperatures occurred at a number of stations in the Utah, New Mexico, and Arizona areas during the first 4 days, but for the most part they occurred on different dates in the last 2 decades. Most of the minimum temperatures at stations in western Wyoming, western Colorado, and eastern Utah occurred on the 6th and 7th, in New Mexico on the 7th and 8th, and in Arizona on the 6th, 7th, and 8th. Zero temperature or lower occurred at all stations except 2 each in eastern Utah and southeastern Nevada, and 17 in Arizona. The highest temperature, 79° , occurred at Parker, Ariz., on the 25th, and the lowest, -54° , at Steamboat Springs, Colo., on the 7th.

Details of temperature are summarized in the following table:

Areas of States in district No. 9.	Temperature.					
	Mean.	Departure from normal.	Highest.	Station.	Lowest.	
Western Wyoming.....	13.0	$^{\circ}$ F.	50	Wamsutter.	-44	Daniel.
Western Colorado.....	14.4	-5.4	52	Glenwood Springs.	-54	Steamboat Springs.
Eastern Utah.....	19.7	-6.5	65	St. George...	-50	Strawberry Tunnel (east).
Western New Mexico...	28.9	-4.9	68	Lordsburg...	-27	Dulce.
Arizona.....	38.7	-4.7	79	Parker.....	-27	Flagstaff No. 1.
Southeastern Nevada....	32.9	-1.6	71	2 stations....	-9	Cafiente.

PRECIPITATION.

The average for the stations reporting was 0.74 inch, or 0.36 inch less than the normal. The average for January, 1912, was 0.43 inch. Precipitation occurred somewhere in the district every day but the 27th. In the northern half of the district it was rather general on the 1st, 4th, 5th, 10th, 16th, 17th, and 23d, while in New Mexico and Arizona it occurred principally on the 10th and 11th, and 21st and 22d. The greatest monthly amount was 3.73 inches at Crested Butte, Colo., while none occurred at Hurricane, and Woodside, Utah, and Winslow, Ariz. Monthly snowfalls of 10 inches or more occurred at 2 stations in western Wyoming, 34 in western Colorado, 5 in eastern Utah, 7 in western New Mexico, and 8 in Ari-

zona. The greatest monthly fall, 41.5 inches, occurred at Crested Butte, Colo. The average number of days with 0.01 inch or more precipitation was 4 in western Wyoming, 7 in western Colorado, 2 in eastern Utah, 3 in western New Mexico, 3 in Arizona, and 1 in southeastern Nevada. For the district as a whole the average was 4 days.

The average precipitation and departures from the normal on the different watersheds are given in the following table:

Watershed.

Green.		Grand.		San Juan.		Little Colorado.		Gila.		Mimbres.		Colorado proper.	
Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.
0.54	-0.26	1.14	+0.03	1.11	-0.44	0.60	-0.88	0.66	-0.44	0.69	-0.03	0.47	-0.57

MISCELLANEOUS.

The average amount of sunshine, with departures from the normal, was as follows: Grand Junction, 75, +19 per cent; Durango, 74, +6 per cent; Phoenix, 86, +16 per cent; and Yuma, 85, +11 per cent.

The relative humidity reported was: Grand Junction, 73; Durango, 65; Phoenix, 66; and Yuma, 44 per cent.

SNOWFALL IN THE MOUNTAINS.

Western Wyoming.—At the close of the month there was practically no snow at 6,000 feet elevation. At 7,000 feet the depth averaged about 6 inches, the depth increasing with elevation. It is generally well packed.

Western Colorado.—The addition to the snowfall during January was not great, and the seasonal fall is still below the average on all watersheds. Slightly more than the usual January fall occurred locally on the Grand and Gunnison watersheds, but a deficiency was general in the region drained by the San Juan, White, and Yampa

Rivers. Much drifting resulted from the prevailing strong winds, which have carried considerable snow from the open to the timber and gulches. Owing to persistent low temperatures, the usual amount of settling did not occur, and therefore the water content of the snow as compared with the depth is relatively small. There was some benefit from the intense cold, for it reduced the amount of water reaching the trunk streams, and there was a flooding of areas adjacent to the small streams, resulting in large accumulations of ice. At the end of January the average depth on the Grand watershed, average elevation 8,600 feet, was 21 inches, or 5 inches less than at the end of January, 1912. For the Gunnison, 8,800 feet, the depth was 19 inches, or 4 inches less; and for the Yampa and White, 8,000 feet, 21 inches, or 9 inches less than at the corresponding date last year. On the other hand, for the San Juan and Dolores, 7,800 feet, the average, 10 inches, is 5 inches more than a year ago.

Eastern Utah.—The depth of snow in the upper reaches of the tributaries of the Colorado at the end of January ranged from 2 to 5 feet, but it was comparatively dry, owing to continued cold. In the southern portions of Utah the depth in the mountains was generally less than 1 foot. All stations, however, did not report the outlook unfavorable or poorer than the average.

Western New Mexico.—In the San Juan basin the snowfall was light. Conditions were favorable in the San Francisco, Gila, and Mimbres drainage areas, owing to an excess of precipitation during the month. The additions to the soil moisture and the depth of snow give unusual promise for abundant water.

Arizona.—The snow in the mountains of the Verde watershed was increased during the month, and but little melting occurred. Except on the western and southern divides there is practically no snow on the Little Colorado watershed, many stations in that region reporting the driest winter in years. In the mountains of the east the depth of snow was generally less than at the end of December, owing to melting, which occurred during the last 5 days of January.

TABLE 1.—Climatological data for January, 1913. District No. 9, Colorado Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.					
				Mean.		Departure from the normal.		Highest.		Lowest.		Date.		Greatest daily range.		Total.		Departure from the normal.		Greatest in 24 hours.		Total rainfall, unmeted.		Number of rainy days, 0.01 inch or more.			
						Date.		Date.		Date.		Date.		Date.		Total.											
Wyoming.																											
Battle Mountain	Carbon	7,30	1	16.0	42 ^b	14	—	37 ^b	7	40 ^b	0.20	0.20	2.0	1	6 ^b	14 ^b	2 ^b	sw.	U. S. Forest Service.	Ira Dodge.					
Big Piney	Lincoln	6,740	14	7.6	— 5.4	38	25	— 44	6	47	1.12	— 0.03	0.32	14.0	8	7	18	6	nw.	J. M. Van Dervort.	Eden Valley L. & I. Co.						
Daniel	do	6,577	4	11.6	.....	40	15 ^b	— 36	6	47	T.	.....	T.	T.	0	12	10	9	w.	Geo. H. Maxom.					
Eden	do	6,083	8	18.8	.....	44	15	— 26	6	42	0.10	.....	0.10	1.0	1	13	18	0	w.	U. S. Forest Service.	T. C. Sherman.				
Green River	Fremont	7,176	7	10.4	.....	41 ^a	25	— 41 ^a	6	46	0.44	.....	0.10	9.0	9	11 ^a	12 ^a	7 ^a	nw.	T. C. Sherman.	U. S. Forest Service.				
Pinedale	Sweetwater	.....	16.7	.....	50	29	— 28	6	46	0.27	.....	0.08	5.2	5	13	7	11	sw.	U. S. Forest Service.					
Wamsutter	Fremont	7,500	4	10.2	.....	40 ^a	26	— 31 ^a	7	48 ^a	1.09	.....	0.36	17.0	6	6 ^a	19	9 ^a	n.	U. S. Forest Service.					
Colorado.																											
Breckenridge	Summit	9,536	24	10.4	— 5.4	38	14	— 40	7	51	1.00	— 0.71	0.30	12.0	7	17	1	13	n.	Albert S. McCullough.							
Buford	Rio Blanco	2	Mrs. H. Genier.				
Cascade	San Juan	8,900	6	San Juan W. & P. Co.				
Cedaredge	Delta	6,175	15	19.0	— 7.4	49	14	— 23	7	38	0.81	+ 0.04	0.35	9.0	3	20	7	4	w.	Harry A. Corbett.							
Cochetopa	Saguache	9,088	4	17.5	— 6.4	47	15	— 22	7	30	0.61	.....	0.25	6.0	3	7	8	16	w.	Miss Bessie McDonough.						
Colbran	Mesa	6,000	20	17.5	— 6.4	47	15	— 22	7	30	1.21	+ 0.06	0.35	24.0	10	16	5	10	sw.	A. A. Wood.							
Columbine	Routt	8,766	3	Mrs. M. A. Caron.					
Columbine Ranch	Delta	6,925	3	George W. Wade.					
Corona	Grand	11,660	6	3.2	21	13 ^b	— 27	5	28	3.66	1.10	12	U. S. Weather Bureau.				
Cortez	Montezuma	6,100	2	W. G. Clucas.					
Craig	Moffat	3	Joseph F. Haubrich.					
Crawford (near)	Montrose	6,600	3	18.2	— 6.2	46	28	— 24	7	39	1.13	.....	0.36	20.0	7	22	5	4	sw.	C. W. Roe.						
Crested Butte	Gunnison	8,867	3	6.2	.....	35	14 ^b	— 40	7	47	3.73	.....	0.92	41.5	8	12	11	8	sw.	Charles L. Ross.					
Delta	Delta	4,965	23	15.1	— 10.4	45	18 ^b	— 36	7	43	0.71	+ 0.14	0.30	11.0	5	13	15	3	ne.	E. M. Getts.							
Durango	La Plata	6,534	18	21.7	— 2.8	48	29	— 13	7	39	1.78	— 0.50	0.40	8.6	6	16	6	9	nw.	U. S. Weather Bureau.	San Juan W. & P. Co.						
Eureka	San Juan	10,000	6	L. D. C. Gaskill.					
Fraser	Grand	8,560	4	7.0	.....	42	25	— 38	6	64	0.90	.....	0.25	10.0	7	4	4	23	n.	John F. Haubrich.					
Fruita	Mesa	4,510	14	12.0	— 10.8	44	19 ^b	— 34	7	43	0.70	— 0.13	0.20	8.9	6	17	7	7	sw.	C. W. Roe.							
Glade Park	Glade Park	7,000	2	.....	.....	.....	.....	.....	.....	.....	1.06	.....	0.50	15.5	6	19	6	6	sw.	Charles L. Ross.		
Gladstone	San Juan	10,400	6	.....	.....	.....	.....	.....	.....	.....	3.01	.....	1.01	35.3	9	11	4	16	ne.	E. M. Getts.		
Glenwood Springs (near)	Garfield	5,823	15	14.9	— 8.2	52	15	— 38	7	46	0.47	— 0.71	0.20	12.0	4	12	6	13	n.	U. S. Weather Bureau.	San Juan W. & P. Co.						
Grand Junction	Mesa	4,602	22	15.9	— 8.8	46	30	— 19	7	39	0.62	+ 0.13	0.31	9.3	8	14	9	8	nw.	San Juan W. & P. Co.	San Juan W. & P. Co.						
Grandlake	Garfield	8,153	5	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.60	15.5	3	21	5	5	w.	Mrs. Belle Kaufman.		
Grand Valley	Garfield	5,089	21	17.8	— 7.1	48	15 ^b	— 25	7	48	0.62	— 0.34	0.33	10.0	7	14	6	11	s.	David Evans.							
Gunnison	Gunnison	7,670	20	3.1	— 4.6	36	30	— 43	7	56	0.35	— 0.44	0.10	5.7	6	20	8	3	sw.	Clarence Adams.							
Hesperus (near)	La Plata	7,610	1	.....	.....	.....	.....	.....	.....	.....	0.30	.....	0.12	8.0	4	14	5	12	sw.	G. F. Snyder.		
Horsefly	Montrose	8,700	3	.....	.....	.....	.....	.....	.....	.....	0.64	.....	0.16	12.0	5	17	5	9	sw.	Lawrence J. Finch.		
Ironton	Oury	10,000	3	.....	.....	.....	.....	.....	.....	.....	1.43	.....	0.58	19.4	6	12	6	13	sw.	Mrs. Amanda E. Foley.		
Lake City	Hinsdale	8,686	8	10.8	— 4.3	43	3	— 30	7	54	0.45	.....	0.31	7.2	6	17	5	9	sw.	J. F. Maurer.						
Lay	Moffat	6,190	19	13.2	— 5.5	45	25	— 41	7	57	0.78	— 0.22	0.27	12.0	6	12	5	14	sw.	A. G. Wallihan.							
Mancos	Montezuma	6,960	14	21.6	— 5.7	51	26	— 24	7	52	0.95	— 0.48	0.30	9.8	6	16	8	7	nw.	B. M. Krumanitzky.							
Marble	Gunnison	7,951	4	16.4	— 4.4	45	14	— 38	7	54	1.45	.....	0.36	20.0	7	21	2	8	e.	F. E. Morse.						
Marshall Pass	Saguache	10,846	10	21	— 6.5	45	14 ^b	— 43	7	48	0.78	+ 0.21	0.78	23.0	7	9	8	14	sw.	Wm. L. Williams.							
Meeker (near)	Rio Blanco	6,182	21	14.5	— 4.7	45	15	— 25	7	39	0.60	— 0.06	0.37	8.0	8	19	8	4	sw.	T. Baker.							
Montrose	Montrose	5,811	24	19.8	— 4.7	45	15	— 25	7	39	0.60	— 0.06	0.37	8.0	8	19	5	7	sw.	U. S. Reclamation Service.							
Nast	Pitkin	7,953	3	12.5	— 4.2	42	25 ^b	— 34	7	52	1.10	.....	0.30	18.3	7	17	3	11	w.	Arthur Hanthorn.						
Pagosa Springs	Archuleta	7,108	6	12.6	— 4.4	48	28	— 30	7	59	0.71	.....	0.30	9.2	6	17	10	4	sw.	E. T. Walker.						
Palisades	Mesa	4,729	2	15.9	— 4.6	44	19	— 23	7	43	0.06	.....	0.02	5.0	4	19	8	4	sw.	E. P. Updegraff.						
Paonia	Delta	5,694	18	18.5	— 8.8	48	15	— 28	7	39	1.37	+ 0.27	0.35	13.5	7	15	10	6	sw.	J. M. Underwood.							
Pitkin	Rio Blanco	9,500	4	.....	.....	.....	.....	.....	.....	.....	0.75	.....	0.35	15.0	4	15	5	11	s.	Mrs. Maggie Cammann.		
Pyramid	Rio Blanco	5,050	14	.....	.....	.....	.....	.....	.....	.....	0.85	.....	0.28	10.0	5	19	5	7	sw.	J. H. McGuire.		
Rangely	do	8,695	20	.....	.....	.....	.....	.....	.....	.....	3.45	+ 1.56	0.74	38.5	13	16	2	13	sw.	Dorothy Greiner.		
Redcliff	Eagle	8,695	20	.....	.....	.....	.....	.....	.....	.....	3.45	+ 1.56	0.74	38.5	13	16	2	13	sw.	Dr. E. S. C. Foster.		
Redvale	Montrose	6,300	19.2	.....	.....	45	14	— 30	7	44	0.85	.....	0.28	10.0	5	19	5	7	sw.	Clinton B. Smith.				
Rico	Dolores	8,824	11	.....	.....	42	15 ^b	— 33	7	39	0.59	.....	0.37	7.0	5	15	5	11	e.	Herman Eiche.				
Rifle	Garfield	5,437	2	15.2	— 5.9	39	14	— 22 ^b	7	38 ^b	0.74	.....	0.18	12.1	7	18 ^b	18 ^b	13 ^b	sw.	U. S. Reclamation Service.						
River Portal	Garfield	6,570	7	15.4 ^b	— 5.9	35	3	— 29	7	42	1.45	+ 0.02	0.30	20.4	10	18 ^b	18 ^b	10 ^b	w.	W. F. Irving.							
Sapinero (near)	Gunnison	8,125	10	9.8	— 5.9	35	3	— 29	7	36	0.65	.....	0													

TABLE 1.—Climatological data for January, 1913. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmodified.	Number of rainy days, 0.10 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.
Utah—Continued.																		
Orderville.....	Kane.....	6,660	3								1.03		0.55		3			F. A. Porter.
Pine Valley.....	Washington.....	6,000	2								1.00		0.90	8.0	2	13 ^b	12 ^b	Mason Gardner.
Price.....	Carbon.....	5,557	2															R. H. Thompson.
Ranch.....	Kane.....	6,700	10	19.1		54	1	-13	10	52	1.24		0.80		2	27	1	n.
San Rafael.....	Emery.....	4,250	1								0.10		0.10	1.0	1	25	3	J. W. Seaman.
St. George.....	Washington.....	2,880	26	34.0	-3.6	65	26	3	7	45	0.03	-0.97	0.03		1	16	6	J. J. Nouguier.
Scofield.....	Carbon.....	7,825	3	12.8		44	4	-41	6	69	0.83		0.59	18.0	5	17	0	A. B. Ballantyne.
Springdale.....	Washington.....	3,500	5	21.8		40	22 ^b	-5	10	35	0.70		0.70	7.0	1	18	1	B. Newren.
Strawberry Tunnel (East).....	Utah.....	7,500	5	7.0 ^f		34	28	-50	5	67	3.45		0.60	34.5	10	13	10	Hattie Wood.
Teasdale.....	Wayne.....	7,000	3	20.8		53	3	-18	6	40	0.20		0.10	2.0	2	19	8	U. S. Reclamation Service.
Thompsons.....	Grand.....	5,150	2	18.4		44	15	-17	7	33	0.18		0.07	4.0	4	18	7	Henry Culum.
Tropic.....	Garfield.....	7,000	16	22.2	-5.0	51	37	-12	21 ^b	54	0.08	-0.83	0.06	0.8	3	23	3	A. M. Starmont.
Trottcreek Ranger.....	Uinta.....	9,200	2															E. P. Bolton.
Vernal.....	...do.....	5,050	16	16.2	-2.0	44	30	-20	7	38	0.30	-0.34	0.30	2.0	1	23	5	Forest Supervisor.
Victor.....	Emery.....	5,250	1															S. P. Trim.
White Rocks.....	Uinta.....	6,200	1															F. F. Noyes.
Woodside.....	Emery.....	4,645	2	23.3		49	17	-16	7	45	0.00		0.00	0	0	24	7	C. F. Keil.
<i>New Mexico.</i>																		D. P. Adams.
Alma.....	Socorro.....	5,500	16	34.2	-3.6	64	3	-8	8	50	0.65	-0.26	0.37	8.0	5	18	7	Max A. Balke.
Aragon.....	...do.....	6	23.4			59	3	-20	8	51	0.95		0.35	9.5	3	22	4	John R. Milligan.
Aztec.....	San Juan.....	5,540	13															Dr. T. J. West.
Bergers Ranch.....	McKinley.....	8,000	1	24.2		58	28	-24	7	53	2.10		0.70	18.5	4	10	13	Herman Berger.
Blackrock.....	...do.....	6,500	4	18.9	7	58	4	-22	6	63	0.27		0.15	4.2	2	22	2	Patrick Desforges.
Bloomfield.....	San Juan.....	5,500	18	23.8	-3.6	53	14 ^b	-16	7	45	0.10	-0.36	0.08	1.8	2	18	5	Fred Le Clerc.
Cambray.....	Luna.....	4,215	14															Agent Southern Pacific R. R.
Cliff.....	Grant.....	4,470	13	32.4	-8.5	66	37	-7	8	62	0.73	-0.31	0.25	11.5	4	22	8	W. C. Belden.
Columbus.....	Luna.....	4,054	4			66	4	-6	8	58	0.58		0.38	5.0	2	20	1	Agent E. P. & S. W. R. R.
Deming.....	...do.....	4,333	36	35.5		65	4	-7	8	45	0.20	-0.31	0.26	2.0	1	27	1	Agent Southern Pacific R. R.
Dulce.....	Rio Arriba.....	6,756	16	15.8	-4.5	44	14 ^b	-27	8	54	0.61	-0.64	0.21	9.0	4	21	8	William R. Beyer.
Fort Bayard.....	Grant.....	6,152	38	35.2	-3.5	64	3	-12	7	43	0.72	-0.10	0.40	13.2	6	21	5	U. S. General Hospital.
Fruitland.....	San Juan.....	4,800	19	25.7		53	14 ^b	-10	7	47	T.	-0.25	T.	0	21	10	0	Cyril J. Collyer.
Gage.....	Luna.....	4,486	13	36.6		63	4	-9	8	43	0.40	+0.06	0.25	6.0	2	27	0	Agent Southern Pacific R. R.
Gila Planting Station.....	Grant.....	6,475	2	33.7		62	3	-10	7	48	0.99		0.60	17.0	6	21	4	U. S. Forest Service.
G. O. S. Ranch.....	...do.....	8,000	1	28.3		60	3	-18	7	46	1.34		0.49	18.3	7	16	10	Victor Culberson.
Hachita.....	...do.....	4,504	4			65	4	-10	7	52	0.52		0.20	3.5	5	23	2	Agent E. P. & S. W. R. R.
Haynes.....	Rio Arriba.....	6,600	2														Dr. John R. Haynes.	
Hermanes.....	Luna.....	4,451	4														Agent E. P. & S. W. R. R.	
Lordsburg.....	Grant.....	4,245	30	37.0	-5.7	68	15	-9	7	47	1.00	+0.36	0.61	6.8	4	22	4	Do.
Luna.....	Socorro.....	7,300	9	24.7		53	3	-17	81	51	0.75	-0.19	0.30	7.5	4	14	6	Agent Southern Pacific Ry.
Mimbres.....	Grant.....	5,007	8														Do.	
Pinos Altos (near).....	...do.....	7,253	2														Charles B. Martin.	
Pratt.....	...do.....	4,415	4														Charles Dennis.	
Putnam.....	San Juan.....	6,200	1			66	19	-2	8	50		0.20	7.5	4	22	2	O. L. Scott.	
Redrock.....	Grant.....	4,150	8														Agent E. P. & S. W. R. R.	
Rodeo.....	...do.....	4,118	4			64	1 ^b	-6	7	53	0.54		0.25	6.0	3	22	2	Agent E. P. & S. W. R. R.
Silver City.....	...do.....	5,890	2	32.4		58	3	-12	7	44	1.18		0.48	1.18	6	21	6	E. M. Brumback.
<i>Arizona.</i>																		
Allaires Ranch.....	Cochise.....	4,184	17								0.60	-0.23	0.30	3.0	2	23	1	Thomas Allaire.
Alpine.....	Apache.....	8,500	2	25.2		55	37	-15	8	61	0.29		0.10	8.0	4	16	10	U. S. Forest Service.
Ashfork.....	Yavapai.....	5,229	1															Do.
Aztec.....	Yuma.....	492	14	48.4	-6.1	77	31	16	7	41	0.20	-0.16	0.20	0	1	27	0	Agent Southern Pacific Ry.
Benson.....	Cochise.....	3,523	28	42.3	-5.3	70	37	5	7	45	0.54	-0.00	0.30	3.0	2	22	0	Do.
Bisbee.....	...do.....	5,500	23	41.6	-3.8	64	3	8	8	35	0.62	-0.49	0.45	1.6	2	22	0	Bisbee High Schools.
Blue.....	Greenlee.....	6,000	2														Mary A. Jones.	
Bonita.....	Graham.....	4,916	35														A. H. Jolley.	
Bowie.....	Cochise.....	3,756	35	43.4	+0.2	69	4	10	8	41	0.35	-0.74	0.25	6.0	2	21	8	Agent Southern Pacific Ry.
Buckeye.....	Maricopa.....	980	20	45.4	-7.9	73	25	11	67	43	0.40	-0.53	0.29	0	2	26	1	H. E. Kell.
Canille.....	Santa Cruz.....	5,225	4														Robert A. Rodgers.	
Casa Grande.....	Pinal.....	1,396	30														Agent Southern Pacific Ry.	
Casa Grande Ruins.....	...do.....	1,422	5	45.4													Frank Pinkley.	
Chandler.....	Maricopa.....	1,217	17	45.4	-6.4	72	27	9	7	43	0.40	-0.68	0.25	5.5	1	27	2	F. V. N. Dana.
Chin Lee.....	Apache.....	6,000	5	23.2													Rev. L. Ostermann, O. F. M.	
Clarion's Mill.....	Graham.....	8,000	6														Hiram R. Charlson.	
Clifton.....	Greenlee.....	3,554	22	40.6		63	30	13	8	31	0.93	-0.19	0.61	0.8	3	22	6	Ariz. & N. Mex. Ry. Co.
Cline.....	Gila.....	2,300	13														W. M. Clanton.	
Cochise.....	Cochise.....	4,219	13	35.6	-9.8	67	37	0	7	53	0.20	-0.46	0.20	2.0	2	23	0	Agent Southern Pacific Ry.
Columbia.....	Yavapai.....	1,900	14	46.0	-6.5	73	29	16	7	29	0.95	-0.88	0.55	4.0	2	24	2	M. J. Nolan.
Courtland.....	Cochise.....	4,543	4														Agent E. P. & S. W. R. R.	
Dos Cabezos.....	...do.....	5,250	5	36.4		60	15	-10	7	44	1.03		0.52	12.0	5	23	2	Neil Erickson.
Douglas.....	...do.....	3,930	10	42.9	-3.8	70	37	7	6	46	1.12	+0.52	0.40	6.0	5	22	6	Dr. F. T. Wright.
Dudleyville.....	Pinal.....	2,204	21	46.4	-1.6	72	4	9	7	50	0.23	-0.13	0.69	0.5	5	12	10	George F. Cook.
Elgin.....	Santa Cruz.....	41.0	14			65	15	5	12	39	1.88		1.00	8.8	5	15	10	George Beebe.
Fairbank.....	Cochise.....	3,862	4														Agent E. P. & S. W. R. R.	
Flagstaff.....	Coconino.....	6,907	15	21.2	-5.5	59	3	-23	11	50	0.76	-1.50	0.31	8.0	5	15	6	George T. Herrington.
Flagstaff (1).....	...do.....	7,500	4	17.6		58	3	-27	7	59	0.99		0.54	10.8	4	23	2	U. S. Forest Service.
Florence.....	Pinal.....	1,504	14	47.0	-3.6	72	4	11	6	44	0.63							

TABLE 1.—Climatological data for January, 1913. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Arizona—Continued.																				
Lakeside.....	Navajo.....	6,500	15	26.6	.....	60	3	— 12	6	58	0.68	— 1.13	0.30	8.5	3	20	4	7	sw.	Prof. Joseph Peterson.
Lewis Springs.....	Cochise.....	4,029	4	.....	.....	.....	.....	.....	.....	.....	0.23	0.19	0.1	3	21	2	8	.....	Agent, E. P. & S. W. R. R.	
Lowell Observatory.....	Coconino.....	7,180	1	.....	.....	.....	.....	.....	.....	.....	1.46	1.17	14.6	3	.....	.....	.....	.....	Vesto M. Slipher.	
McNeal.....	Cochise.....	4,150	3	.....	.....	.....	.....	.....	.....	.....	0.10	0.04	1.0	3	13	8	10	n.	Gladys Taylor.	
Maricopa.....	Pinal.....	1,186	36	44.6	— 7.1	74	4	8	7	49	0.60	— 0.11	0.60	0	1	21	7	3	.....	Agent, Southern Pacific Ry.
Moccasin.....	Mohave.....	4,500	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. G. Maxwell.	
Mohawk Summit.....	Yuma.....	538	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agent, Southern Pacific Ry.	
Naco.....	Cochise.....	4,570	4	.....	.....	75	4	.....	.....	.....	0.45	0.40	0.5	2	25	2	4	w.	Agent, E. P. & S. W. R. R.	
Natural Bridge.....	Gila.....	4,990	24	.....	.....	.....	.....	.....	.....	.....	1.40	— 1.25	0.80	10.0	3	15	12	4	sw.	D. G. Goodfellow.
Oracle.....	Pinal.....	4,500	20	41.6	— 4.6	66	3	8	7	34	2.00	— 0.01	0.60	12.5	5	17	12	e.	J. W. Lawson.	
Osborn.....	Cochise.....	4,676	4	.....	.....	.....	.....	.....	.....	.....	1.48	0.72	3.0	4	17	11	3	w.	J. C. Hancock.	
Paradise.....	do.....	5,436	7	35.6	.....	62	47	2	9	51	0.92	.....	0.40	10.0	5	17	6	sw.	M. A. Isreal, M. D.	
Parker.....	Yuma.....	345	16	45.7	— 5.1	79	25	11	7	53	0.15	— 0.71	0.15	0	1	28	3	0	.....	Mart McDonald.
Payson.....	Gila.....	5,550	5	35.9	.....	77	3	— 18	12	72	0.77	.....	0.50	9.0	3	19	6	w.	U. S. Weather Bureau.	
Phoenix.....	Maricopa.....	1,108	18	47.2	— 2.8	71	29	16	7	35	0.38	— 0.79	0.26	0	2	18	5	8	.....	Geo. Acuff.
Phoenix (1).....	do.....	1,092	21	45.8	— 4.9	72	27	11	7	42*	0.41	— 0.49	0.18	0	3	20	7	4	w.	Salt River Valley Nurseries.
Phoenix (2).....	do.....	1,189	4	47.2	.....	74	27	14	6	39	0.43	.....	0.16	0	2	20	6	5	sw.	Irion & Craig.
Pinal Ranch.....	Pinal.....	4,520	18	.....	.....	.....	.....	.....	.....	.....	1.14	— 2.20	0.50	9.0	3	.....	.....	.....	Celia F. Henning.	
Pinto.....	Apache.....	5,660	8	.....	.....	64	3	— 7	7†	46	0.37	— 1.23	0.30	3.7	2	25	5	1	s.	Dr. J. W. Flinn.
Prescott.....	Yavapai.....	5,320	48	30.4	— 4.8	64	3	— 7	7†	46	0.05	.....	0.05	4.0	1	20	0	11	.....	L. L. Bates.
Prescott Dry Farm.....	do.....	33.6	6	.....	.....	64	3	1	7†	46	0.44	.....	0.44	0	1	19	11	1	nw.	W. E. Scott.
Quartzsite.....	Yuma.....	800	4	44.9	.....	75	4	9	7	46	0.44	.....	0.44	0	1	19	11	1	.....	A. B. Lee.
Redrock.....	Pinal.....	1,864	4	.....	.....	.....	.....	.....	.....	.....	.....	0.55	4.0	4	22	1	8	e.	Arthur Pritchard.	
Rice.....	Gila.....	2,665	30	40.4	— 2.9	70	26	9	8	50	0.91	— 0.45	0.55	4.0	4	22	1	8	.....	U. S. Reclamation Service.
Roosevelt.....	do.....	2,175	6	44.4	.....	67	27	20	6†	32	1.19	.....	0.57	0	0	17	11	3	s.	E. W. Hudson.
Sacaton.....	Pinal.....	1,280	5	45.8	.....	73	27	9	6	43	0.72	.....	0.47	0	2	28	2	1	se.	Alexander Shreeve.
St. Johns.....	Apache.....	5,650	8	25.6*	.....	— 21	8	56*	51	0.50	.....	0.27	7.0	2	2	21	9	1	sw.	Rev. Anselm Weber, O. F. M.
St. Michaels.....	do.....	6,950	25	24.4	— 1.7	53	3†	— 21	7	47	0.08	— 0.86	0.06	1.3	2	21	9	1	sw.	M. B. Swartz.
Salome.....	Yuma.....	1,875	6	.....	.....	.....	.....	.....	.....	.....	0.24	0.20	2.0	1	16	6	9	se.	Agent, Southern Pacific Ry.	
San Simon.....	Cochise.....	3,609	29	43.1	— 1.5	70	17†	— 5	6	49	0.20	— 0.24	0.28	0	3	20	3	3	ne.	Librarian, A. T. & S. F. Ry.
Seligman.....	Yavapai.....	5,219	7	31.0	.....	65	3	— 15	11	50	0.25	.....	0.25	6.0	1	25	6	6	n.	Agent, Southern Pacific Ry.
Sentinel.....	Maricopa.....	685	14	52.8	— 2.1	74	11	18	7	44	0.30	— 0.04	0.30	0	1	28	2	1	se.	Imperial Copper Co.
Silverbell.....	Pima.....	2,650	7	47.9	.....	72	28	19	7	28	0.80	.....	0.40	4.5	2	24	0	7	n.	William J. Flake.
Snowflake.....	Navajo.....	5,644	6	30.2	.....	60	3†	— 8	6†	51	0.10	.....	0.10	1.0	1	15	4	12	n.	U. S. Forest Service.
Springerville.....	Apache.....	6,862	2	28.5	.....	58	18	— 14	7	46	0.32	.....	0.26	2.4	2	21	5	sw.	Laura B. Symons.	
Supai.....	Coconino.....	3,200	4	38.2	.....	61	30†	11	7	30	0.44	.....	0.24	2.0	2	24	1	6	ne.	F. H. Simmons.
Tempe.....	Maricopa.....	1,165	9	44.9	.....	70	27†	12	7	38	0.73	.....	0.28	0	3	20	3	3	sw.	J. H. Larson.
Thatcher.....	Graham.....	2,800	10	41.6	— 3.3	70	3	9	7	51	0.53	— 0.18	0.26	2.0	4	20	9	2	.....	F. N. Walcott.
Tombstone.....	Cochise.....	4,550	14	43.3	— 4.3	68	4†	9	6	37	0.60	— 0.25	0.25	5.0	3	21	7	3	e.	Truxton Canyon Indian Sch.
Truxton.....	do.....	3,997	3	36.6	.....	64	29	0	6	38	0.60	.....	0.58	6.0	2	16	11	4	nw.	Ira E. Bell.
Tuba.....	Coconino.....	4,500	15	25.1	— 8.2	49	30†	— 15	7	33	0.34	— 0.28	— 0.28	5.0	6	19	7	5	n.	University of Arizona.
Tucson.....	Pima.....	2,390	31	44.8	— 5.1	72	14	6	7	46	0.80	0.00	0.35	2.0	3	13	10	8	nw.	Rev. James F. Record.
Tucson (1).....	do.....	2,380	5	43.3	.....	72	3†	0	7	52	0.61	.....	0.35	0.8	4	22	7	2	nw.	U. S. Coast & Geod. Survey.
Tucson (2).....	do.....	2,526	3	44.7	.....	72	14	6	7	47*	0.79	.....	0.48	0.5	4	22	4	5	w.	Agent, Southern Pacific Co.
Vail.....	Yavapai.....	3,421	14	41.3†	.....	76	4	0	6†	50†	0.58	— 0.06	0.55	5.5	1	21	0	10	.....	J. O. Carter.
Walnut Grove.....	Maricopa.....	3,649	21	.....	.....	.....	.....	.....	.....	.....	0.50	— 0.52	0.50	6.0	1	.....	.....	.....	Agent, S. F. P. & P. Ry.	
Wickenburg.....	Cochise.....	2,072	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	0	13	s.	Agent, Southern Pacific Ry.		
Willcox.....	Coconino.....	4,184	31	36.7	— 5.5	70	25	2	7	48	0.04	— 0.34	1.40	19.0	3	23	8	0	.....	E. J. Nordyke.
Williams.....	do.....	6,750	10	29.0	— 4.0	70	2†	— 18	7	55	1.90	— 0.34	0.00	0.00	0	0	0	0	.....	Winslow High Schools.
Winslow.....	Navajo.....	4,853	8	28.9	.....	60	31	— 5	7	51*	0.00	— 0.31	0.10	0	2	29	1	1	n.	U. S. Weather Bureau.
Yuma.....	Yuma.....	141	32	50.2	— 4.5	78	29	24	6	38	0.12	— 0.31	0.16	0	2	28	2	1	n.	C. J. Wood.
Yuma (1).....	do.....	150	6	47.1	.....	78	29	16	8	46	0.19	.....	0.16	0	1	25	5	1	n.	.....
Nevada.																				
Caliente.....	Lincoln.....	4,407	3	29.8	— 1.6	61	4†	— 9	7	49	0.04	— 0.35	0.04	1.0	1	22	8	1	ne.	Salt Lake Route.
Las Vegas.....	Clark.....	2,033	11	39.8	— 1.6	71	26	8	7	38	0.12	— 0.35	0.12	0	1	22	8	1	s.	Chas. P. Squires.
Logan.....	do.....	1,355	6	39.0	.....	71d	26	6	7	44d	0.01	.....	0.01	0	1	25	5	1	n.	O. W. Jarvis.

* b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

MONTHLY WEATHER REVIEW.

JANUARY, 1913

TABLE 2.—*Daily precipitation for January, 1913. District No. 9, Colorado Valley.*

Stations.*	Watershed.	Day of month.																														Total.						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
<i>Wyoming.</i>																																						
Battle Mountain	Snake																																.20	0.20				
Big Piney	Green																																T.	1.12				
Daniel	do	T.	T.	T.																												T.						
Eden	do																															T.	0.10					
Green River	do	.10																														T.	0.44					
Pinedale	do																															T.						
Wamsutter	do																																.08	0.27				
Willow Creek Cabin	do	.06																																1.09				
<i>Colorado.</i>																																						
Breckinridge	Grand	.24	.05	T.	.16	T.																									T.	.05	1.00					
Buford	White																																					
Cascade	San Juan	.15																																	1.99			
Cedaredge	Gunnison	T.																																	0.81			
Cochetopa	do	.25																																	0.61			
Colbran	Grand	.07																																T.	1.21			
Columbine	Yampa	.01																																	0.14			
Columbine Ranch	Gunnison	.31	.57																															T.	1.90			
Corona ||	Grand	1.10	.40	10																													T.	1.36				
Cortez	San Juan																																					
Craig	Yampa																																					
Crawford (near)	Gunnison	.03																																	1.13			
Crested Butte	do	.92	T.	.40	.60																													3.73				
Delta	do																																	0.71				
Durango	San Juan	.01																																0.78				
Eureka	do	.17	10	T.	.10																													1.72				
Fraser ||	Grand	.25	T.	.15	.10																													.05	1.90			
Fruitland	do																																		0.70			
Glade Park	do	.04																																	1.06			
Gladstone	San Juan	.59	16	T.	T.	T.																													.02	3.01		
Glen'd Spr'gs (near)	do	.04																																		0.47		
Grand Junction	do	.01																																		T.	0.62	
Grandlake	do																																				.55	
Grand Valley	do	.33																																			0.62	
Gunnison	do	.04																																			0.35	
Hesperus (near)	La Plata	T.																																			0.30	
Horsefly	Gunnison	.16																																			0.64	
Iron Mountain	do	.58																																			T.	1.43
Lake City	do	.31																																			0.45	
Lay	Yampa	.13																																			T.	.07
Mancos	do																																				0.95	
Marble	do	.25																																			1.45	
Marshall Pass	Gunnison	.78																																			T.	1.91
Meeker (near)	White	.15																																			0.78	
Montrose	do	.01																																			0.60	
Nast	do	.15																																			T.	1.10
Pagosa Springs	San Juan																																				0.71	
Palisades	do																																				0.06	
Paonia	do	.25																																			1.37	
Pitkin																																						
Pyramid																																						
Rangely																																						
Redcliff																																						
Redvale																																						
Rico																																						
Riffe																																						
River Portal	do																																				0.59	
Sapirero (near)	Gunnison	.04																																			0.74	
Shoshone	do	.22																																			1.45	
Silverton (near)	do	.05																																			.01	
San Juan	do	.0																																				

TABLE 2.—*Daily precipitation for January, 1913. District No. 9—Continued.*

TABLE 2.—*Daily precipitation for January, 1913. District No. 9—Continued.*

Stations.	Watershed.	Day of month.																														Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<i>Arizona—Contd.</i>																																	
Oracle.	San Pedro.			.05							.60	.60																					2.00
Osborn.	do.				*	*	.20					.10																				1.48	
Paradise.	Desert.											*	.22																				0.92
Parker.	Colorado.											.15																					0.15
Payson.	Verde.											.50																					0.77
Phoenix.	Salt.											.26																					0.38
Phoenix (1).	do.											.18	.09																			0.41	
Phoenix (2).	do.											.27																					0.43
Pinal Ranch |||.	Gila.											.50																					1.14
Pinto.	L. Colorado.											.20																					0.60
Prescott.	Hassayampa.											T.	T.																				0.37
Prescott Dry Farm.	Verde.											.05																					0.05
Quartzite.	Colorado.											.44																					0.44
Redrock.	Santa Cruz.											.06	.25																				0.91
Rice.	Gila.											.57																					1.19
Roosevelt.	Salt.											.47																					0.72
Sacaton.	Gila.											.27																					0.50
St. Johns.	L. Colorado.											.05																					0.08
St. Michaels.	do.											.06																					0.32
Salome.	Colorado.											.20																					0.20
San Simon.	Gila.											.25																					0.25
Seligman.	Verde.											.30																					0.30
Sentinel.	Gila.											.40	.40																				0.80
Silverbell.	Santa Cruz.											T.	T.																				0.10
Snowflake.	L. Colorado.											.06	.28																				0.32
Springerville.	do.											.20																					0.44
Supai.	Colorado.											.18	.28																				0.73
Tempe.	Salt.											.15	.10																				0.53
Thatcher.	Gila.											.20																					0.60
Tombstone.	San Pedro.											.02																					0.60
Truxton Canyon.	Colorado.											.31																					0.34
Tuba.	L. Colorado.											.22	.23																				0.80
Tucson.	Santa Cruz.											.08	.16																				0.61
Tucson (1).	do.											.17	.12	T.																		0.79	
Tucson (2).	do.											.55																					0.55
Vail.	do.											.50																					0.50
Walnut Grove.	Hassayampa.											.02	.10																			0.00	
Wickenburg.	do.											.03	.16																			0.12	
Willcox.	Desert.											.140																					0.19
Williams.	Colorado.											.20																					1.90
Winslow.	L. Colorado.											.02	.10																			0.01	
Yuma.	Colorado.											.03	.16																				
Yuma (1).	do.																																
<i>Nevada.</i>																																	
Caliente.	Colorado.																																0.04
Las Vegas.	do.																																0.12
Logan.	do.																																0.01

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for January, 1913. District No. 9, Colorado Valley.

Date.	Wyoming.				Colorado.								Utah.								New Mexico.							
	Daniel.		Green River.		Durango.		Grand Junction.		Gunnison.		Meeker.		Steamboat Springs.		Emery.		Hite.		Moab.		St. George.		Vernal.		Bloomfield.		Fort Bayard.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	27	5	27	- 1	35	12	32	12	28	- 8	25	- 8	24	12	43	2	47	27	40	20	57	16	31	12	41	3	52	32
2.....	27	- 8	32	3	35	3	30	10	20	- 23	29	- 19	17	- 12	46	- 1	43	20	34	9	52	17	31	0	33	4	52	22
3.....	34	15	43	15	41	5	31	6	24	- 18	35	10	32	- 2	45	- 3	45	19	36	8	54	17	40	2	40	4	64	26
4.....	27	- 8	29	1	43	12	26	10	32	0	42	- 2	37	- 12	42	- 10	42	28	37	13	41	19	38	10	51	12	56	28
5.....	3	31	11	- 8	28	- 7	16	2	20	0	35	- 3	13	1	45	- 9	35	18	36	13	32	21	15	27	- 2	47	20	
6.....	- 7	- 44	3	- 26	17	- 11	11	- 12	22	- 34	2	- 39	4	- 42	43	- 11	21	9	15	- 12	28	8	7	- 19	18	- 9	24	16
7.....	- 7	- 20	14	- 18	10	- 13	2	- 19	- 4	- 43	- 1	- 43	- 10	- 54	30	- 10	23	3	13	- 18	32	3	7	- 20	16	- 16	31	- 12
8.....	15	- 4	33	- 9	25	- 10	11	- 18	- 4	- 33	15	- 16	29	- 17	31	- 11	21	7	16	- 10	43	6	16	- 13	25	- 14	38	- 5
9.....	22	7	36	7	42	6	15	- 8	12	- 28	31	- 15	31	- 13	30	0	25	8	20	- 6	42	24	23	- 4	46	8	47	4
10.....	17	- 22	28	6	28	16	14	2	20	- 21	29	14	27	- 1	25	2	23	16	24	4	40	26	20	2	35	7	40	19
11.....	15	- 17	21	0	27	- 2	18	- 3	20	- 21	28	- 9	25	2	21	1	23	1	18	- 14	39	14	21	- 3	32	3	36	22
12.....	20	- 5	32	5	30	- 2	25	- 1	3	- 21	32	11	23	4	20	2	30	6	25	- 5	44	17	30	1	38	3	41	11
13.....	27	4	43	7	41	2	22	- 9	22	- 18	43	1	29	- 8	23	5	30	6	24	- 7	42	12	29	4	44	4	50	21
14.....	31	5	41	11	45	19	23	6	25	- 6	45	20	41	2	30	10	29	8	28	10	53	20	31	11	53	26	53	25
15.....	32	6	44	10	41	17	41	2	30	- 9	44	20	48	22	40	11	39	10	31	1	59	18	42	7	50	23	56	28
16.....	28	4	34	22	37	13	44	27	26	- 2	39	24	31	12	41	13	47	19	44	9	49	30	39	16	43	19	48	37
17.....	27	- 1	35	13	37	14	39	20	28	- 15	30	20	28	12	40	16	53	37	44	33	58	38	33	8	47	17	50	29
18.....	26	- 12	43	23	39	12	34	19	20	- 3	40	9	29	- 3	35	12	49	32	47	24	49	26	27	6	44	14	58	29
19.....	22	- 9	20	8	40	14	44	16	32	- 8	35	14	31	12	30	9	53	31	49	25	55	26	39	9	49	22	55	32
20.....	5	- 35	21	- 5	30	4	28	1	23	- 12	16	- 28	14	- 25	31	- 5	43	24	39	15	46	22	24	- 9	35	2	50	28
21.....	18	- 5	27	- 4	37	1	26	- 2	11	- 28	25	- 21	25	- 26	30	- 4	41	16	31	9	52	13	27	- 6	43	- 2	41	20
22.....	26	- 5	32	11	41	11	26	- 3	13	- 26	28	- 14	31	- 19	28	- 4	41	17	32	7	42	15	25	- 6	44	5	37	28
23.....	20	- 12	33	21	35	17	32	7	19	- 16	28	12	32	5	39	6	48	23	35	19	52	17	28	10	37	13	45	22
24.....	27	- 1	42	2	34	5	31	- 5	15	- 22	31	- 10	26	- 8	40	5	45	20	36	11	53	15	31	1	37	2	50	19
25.....	28	2	38	14	42	9	32	4	27	- 14	39	2	46	19	45	11	48	22	38	12	52	18	38	4	43	8	51	24
26.....	35	1	41	10	47	9	39	2	26	- 18	36	- 2	39	8	42	16	55	23	39	13	65	20	43	6	49	8	58	29
27.....	33	4	46	10	42	10	36	9	21	- 23	33	- 9	33	- 17	46	14	49	21	40	12	60	22	39	6	44	9	52	23
28.....	30	6	43	6	45	8	38	1	27	- 24	35	3	36	14	42	15	48	21	40	12	58	18	41	6	48	7	53	25
29.....	35	- 12	34	9	48	13	32	1	25	- 22	43	- 5	34	- 14	40	12	48	21	43	11	59	20	39	5	50	9	55	26
30.....	26	- 8	35	15	45	16	46	18	36	- 7	45	15	33	6	43	18	57	24	46	18	62	20	44	12	53	13	54	26
31.....	27	- 4	31	11	43	10	35	11	35	- 8	31	- 1	30	16	45	19	53	24	49	17	62	21	39	13	47	14	56	25
Mns..	23.4	- 8.3	32.0	5.5	36.5	6.9	28.4	3.4	21.1	- 14.9	31.2	- 2.2	28.0	- 4.1	6.6	4.2	0.5	18.1	33.8	8.2	49.4	18.7	30.2	2.3	40.7	7.0	48.4	21.9

Arizona.

Date.	Bisbee.		Flagstaff.		Fort Apache.		Grand Canyon.		Parker.		Phoenix.		Prescott.		St. Michaels.		Tucson.		Yuma.		Logan, Nev.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	59	37	43	24	66	15	34	22	72	35	65	32	52	21	42	8	67	28	69	40	59	17
2.....	55	33	44	19	70	18	30	20	67	26	65	36	51	14	45	5	63	25	69	51	61	22
3.....	64	36	59	14	60	12	36	18	74	25	67	32	64	18	53	9	71	25	73	40	58	22
4.....	59	44	40	10	64	15	30	20	64	21	64	34	51	30	45	12	70	28	71	33	45	17
5.....	52	32	13	- 7	54	10	20	10	62	16	42	27	33	7	35	8	42	27	45	25	38	28
6.....	35	19	11	- 13	50	- 2	20	0	42	16	59	17	22	- 4	15	- 12	36	19	38	24	- 6	16
7.....	24	9	17	- 17	46	- 4	20	- 5	45	11	41	16	27	- 7	19	- 21	39	6	42	26	6	6
8.....	38	8	32	- 2	32	- 5	18	- 8	51	16	52	19	42	1	30	- 15	54	13	52	26	46	9
9.....	52	20	31	6	34	- 3	20	- 10	55	25	59	32	42	13	42	- 5	65	28	58	26	47	16
10.....	45	34	22	2	54	2	18	- 16	53	20	52	37	32	21	32	- 2	43	31	51	29	45	17
11.....	39	22	25	- 23	40	8	14	- 19	52	20	49	32	31	- 7	28	- 3	45	27	54	26	40	17
12.....	49	21	41	- 8	48	- 4	28	- 5	56	20	53	27	38	- 5	39	- 3	54	21	56	29	44	13